DiBos micro
Digital Video Recorder and Transmission System

Security Systems

- Complete DVR Platform 4, 8, 16 Channel Models
- Integrates network cameras
- Image Authentication
- Remote Event Notification
- Pre/Post Alarm Recording
- Web Based Remote Access
- In-Window Pan-Tilt-Zoom
- CDRW for Removable Archives
- Integrates to Bosch Security Panels

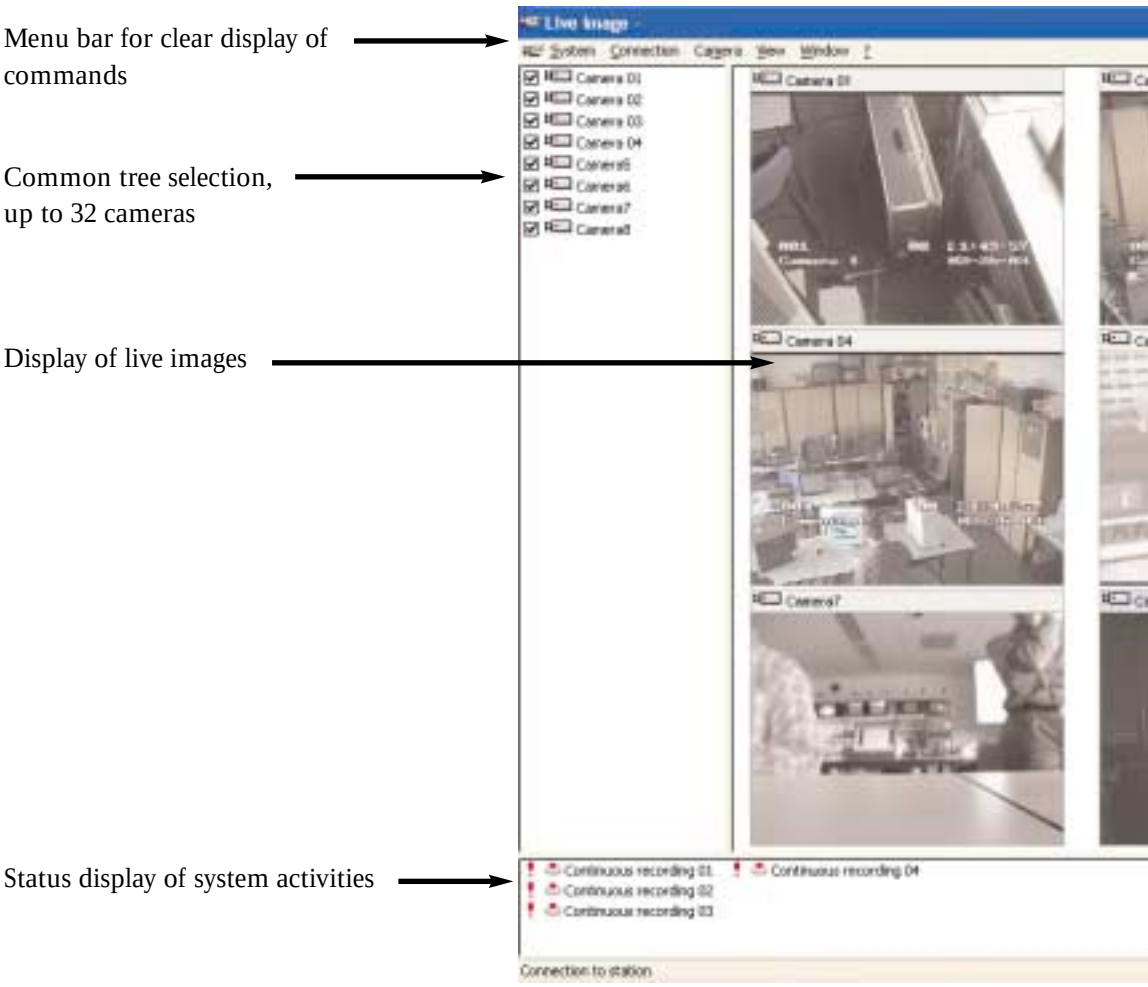
DiBos is an integral part of the overall security solution, in a wide range of applications, such as banks, retail chains, railway stations, airports, city centers, industrial facilities, public and corporate offices, and other indoor and outdoor locations.

DiBos takes visual monitoring to a new level of effectiveness, by applying Bosch Security Systems' proven state-of-the-art digital recording and communications technology. The result is unprecedented freedom and speed in retrieving vital images and information sharing, to assess the situation, and take the appropriate action.

DiBos gives authorized personnel fast, convenient access to the information they need, to carry out their responsibilities with maximum effectiveness.

This scalable video surveillance and recording system offers advanced features for viewing, with extremely flexible recording and image access. Communication and access is through the users' private or public network, interfacing to a variety of peripheral devices and systems.

DiBos offers full control of camera selections, sequencing, and viewing modes, to meet the needs of every situation. However, the real power of DiBos is its' quick, convenient accessibility to recorded images and information, around the clock, and on a global basis to meet immediate demands.

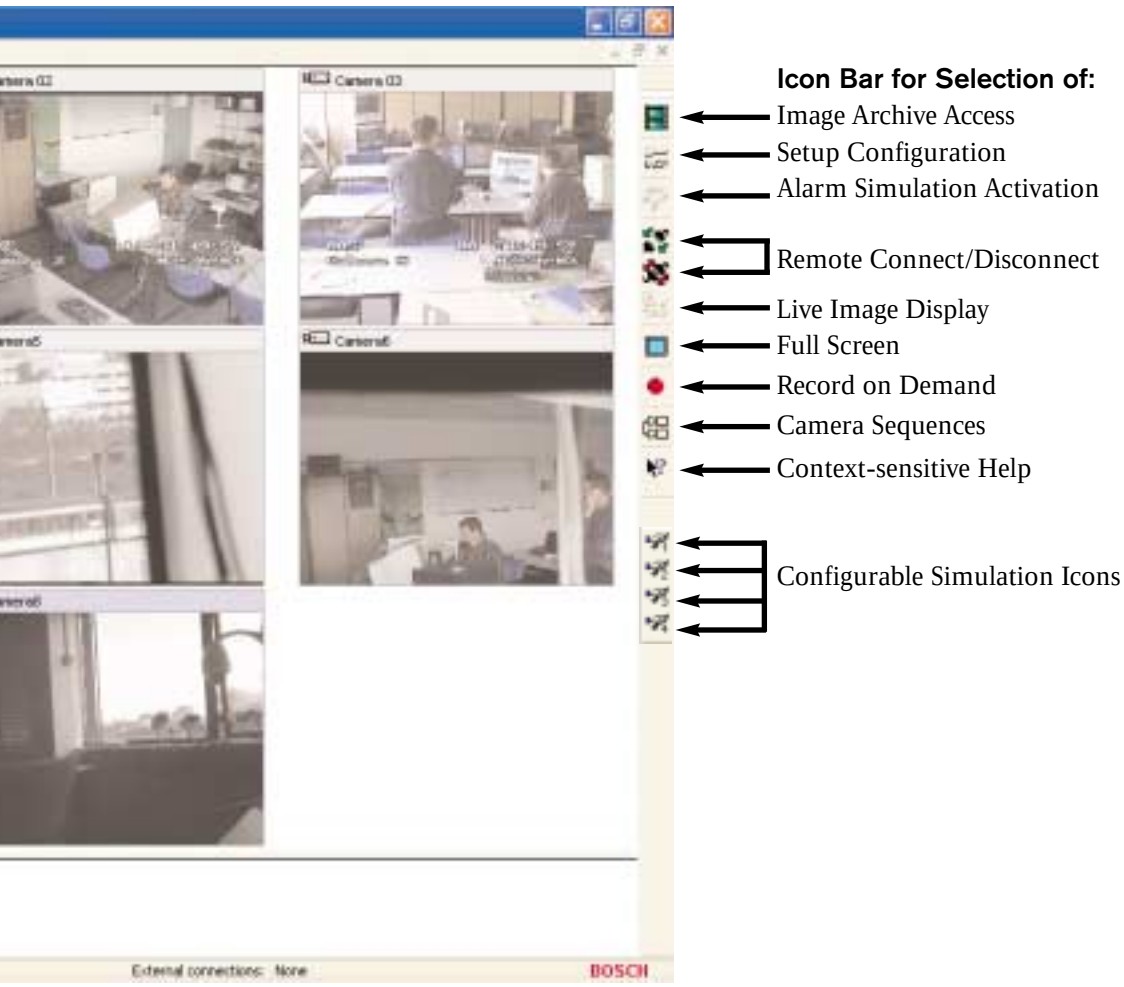


DiBos allows automated response to specific situations and event, so required actions can be initiated without human intervention. Programmed actions may include transmission of images to predefined recipients in case of an alarm, with transmission of messages to security personnel, or alarm monitoring centers, in any predefined situation.

Cameras and viewing modes can be programmed or selected manually, together with the exceptional In-Window pan, tilt, and zoom functionality for each camera at local or remote facilities. Images are displayed with date/time, location, zone, and camera indications, as well as the status of connected devices, such as detectors and sensors.

Playback of recorded images is easy with the familiar tree structure search and navigation functions. Accessing images is possible locally or remotely, via a company network, or the Internet. Local and Remote viewing has the capability to select multiple views from any or all of up to 16 cameras plus 16 network cameras.

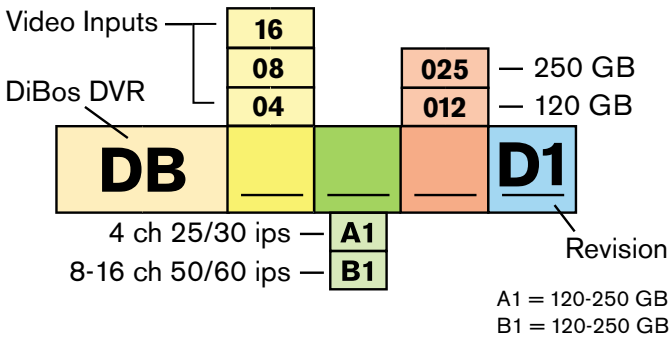
The DiBos has the ability to receive JPEG images from a variety of manufactures' network cameras. These cameras may be easily added to a fully populated system, in a network environment. Recording configurations may be set up to archive images just like a standard camera. Various user levels are configurable, to allow or restrict access to IP cameras or other functions.



Navigation of recorded video is made simple by easy-to-use VCR-like buttons for playback functions.
Fast, powerful image search functions eliminate timeconsuming manual searches of physical media. These functions include Smart Search on image changes, as well as searches on criteria such as camera number, recording date/time and optional ATM transaction data, (credit card, bank code, account number, or amount withdrawn).

The unique scalable viewing capability of the Graphical User Interface allows both live and archived images, from multiple remote systems, to be viewed from the same remote PC, or even from other DiBos systems.
This powerful tool allows security managers to monitor and supervise different locations simultaneously, with total flexibility in the selection and viewing of live and recorded images. To ensure high security, all access is subject to appropriate user authorization, with profiles assigned by the system administrator, and database tracking of events (i.e., log-in, log-off, status changes, image transmission, and system shutdown).

The system's PC architecture allows standard network devices to be connected and used transparently. A variety of network storage devices such as external disk arrays, RAID and NAS devices, and external disk drives may be used for exporting, backup, or sharing images.



Hardware Specifications		
	Micro (A1)	**Micro (B1)**
Camera Inputs	4*	8* or 16*
1 V p-p 75 Ω		
Y/C Camera Inputs	0	4 or 8
PAL (pixels)	720 x 288	704 x 288
NTSC (pixels)	640 x 240	704 x 240
Compression Method	JPEG	JPEG
Image Digitization	Y:U:V, 4:2:2	Y:U:V, 4:2:2
Stored IPS (PAL/NTSC)	*25/30	50/60
Contact Inputs NO/NC	5	8 or 16
Configurable Relay Outputs	0	4 or 8
V-DOG Relay Output	1	1
Internal Hard Disk Drive Capacity		
	120 GB/ 250GB	120 GB/ 250 GB
Note: 5 GB HDD space required for OS and DiBos software.		
External Hard Disk Drive Array	Supports Various Bosch Disk Arrays	
Desktop housing (H x W x D)	11 cm x 38 cm x 29.5 cm (4.3 in. x 14.2 in. x 11.6 in.)	
Video Output	1 x SVGA	
Ethernet	10/100 Base T	
COM-Port	1	
USB-Port	4	
CPU Processor	Celeron (2 GHz)	
RAM	256 MB	
Mouse/Keyboard PS2	Optional	
CD-RW	Included, not DB 04 A1 012 DL1	
Power Supply Autoswitch	100/240 VAC, 50/60 Hz	
Weight Approx.	7 kg (15 lb)	
Environmental		
Operating Temperature	5° C to 45° C, (41° F to 113° F)	
Storage Temperature	-40° C to 70° C, (-40° F to 158° F)	
Relative Humidity in Operation	15% to 80%	
Relative Humidity in Storage	8% to 80%	

*Note: A fully loaded Micro (A1) version allows storage of 3 ips per camera, simultaneously.

Warranty 3 Years

** plus 16 network cameras*

Product Regulatory Compliance	
Electromagnetic Compatibility (EMC):	
	Complies with FCC Part 15, ICES-003 and CE regulations
Product Safety:	Complies with CE regulations, UL, CSA, EN and IEC Standards
DiBos Software	
Operating System	Microsoft Windows XP (embedded)
Bosch Security Panels RS-232	Serial Interface (Optional)
	9000 Series (Radionics), UGM 2020, UEZ 2000, UEZ 1000, BZ 500, NZ 500, BZ 1060, NZ 1060, BZ 1012, and NZ 1012, NZ 1008
ATM Interface (optional)	Up to 4 devices
Image Printers	With Windows XP drivers
Image Size	Configurable from 10 kB to 30 kB
IPS Range	From 1 - 50 PAL or 1- 60 NTSC per camera
Web Browser Access	
Internet Explorer 5.0 or higher on Windows 98, ME, NT, 2000 or XP	
PTZ Control	
Via RS-232 output. The Bosch LTC 8786 Series Data Converter is required for RS-232 conversion to biphase.	

Hardware/Software Options	
DB SR 00 1	SW DiBos receiver
DB SE 01 1	SW and HW Extension Kit for Bank projects 4 ATM's
DB SE 01 2	SW and HW Extension Kit for Bank projects, 2 ATM's
DB SE 02 1	SW Extension for POS / barcord reader projects
Note: Consult a Bosch Security Systems Sales Represntative for details.	
DB SE 03 1	SW Extension for serial Bosch security panels
DB EK 03 1	HW Extension Kit, modem card
DB EK 04 1	SW and HW Extension, 8 to 16 channel
DB EK 06 1	HW Extension SCSI adapter and SCSI cable
DB EK 08 1	HW Extension TV-Out-Card
Remote PC Requirements	
	Windows XP operating system
	750 MHz CPU
	128 MB RAM
	VGA Card:1024 x 768, 32-bit color
	Parallel Port (for dongle key)

Bosch Security Systems.
5600 JB Eindhoven
The Netherlands
Tel: +31 (40) 27 80000
Fax: +31 (40) 27 80001
www.boschsecuritysystems.com

BOSCH

VS-EH-en-51_4998144459_01 | Printed in The Netherlands | Updated March 2004 • Data subject to change without notice.